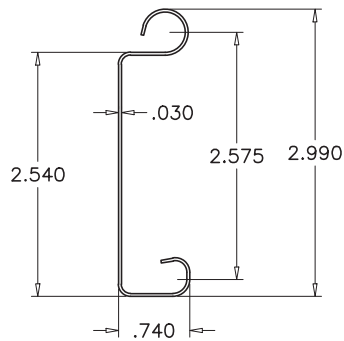
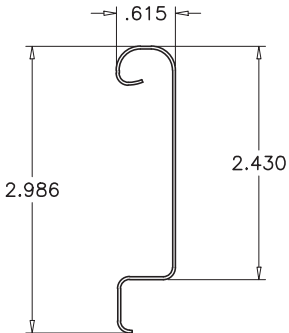


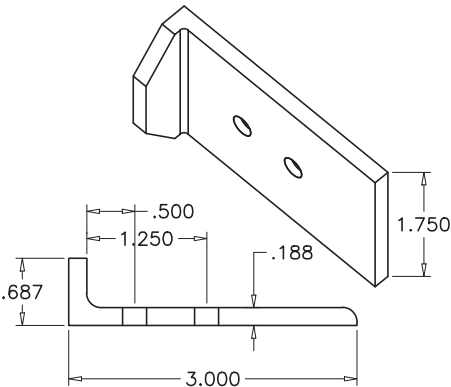


SLAT

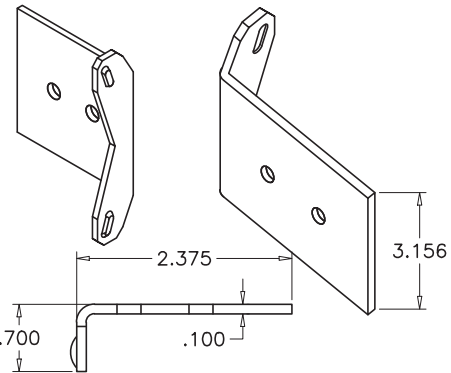
22 GA. COLD FORMED STEEL (ASTM A653)
MIN. YIELD STRENGTH OF 52000 PSI
GALVANIZED ACCORDING TO ASTM A-525
WITH A COATING DESIGNATION OF G-90
EXTERIOR AND INTERIOR



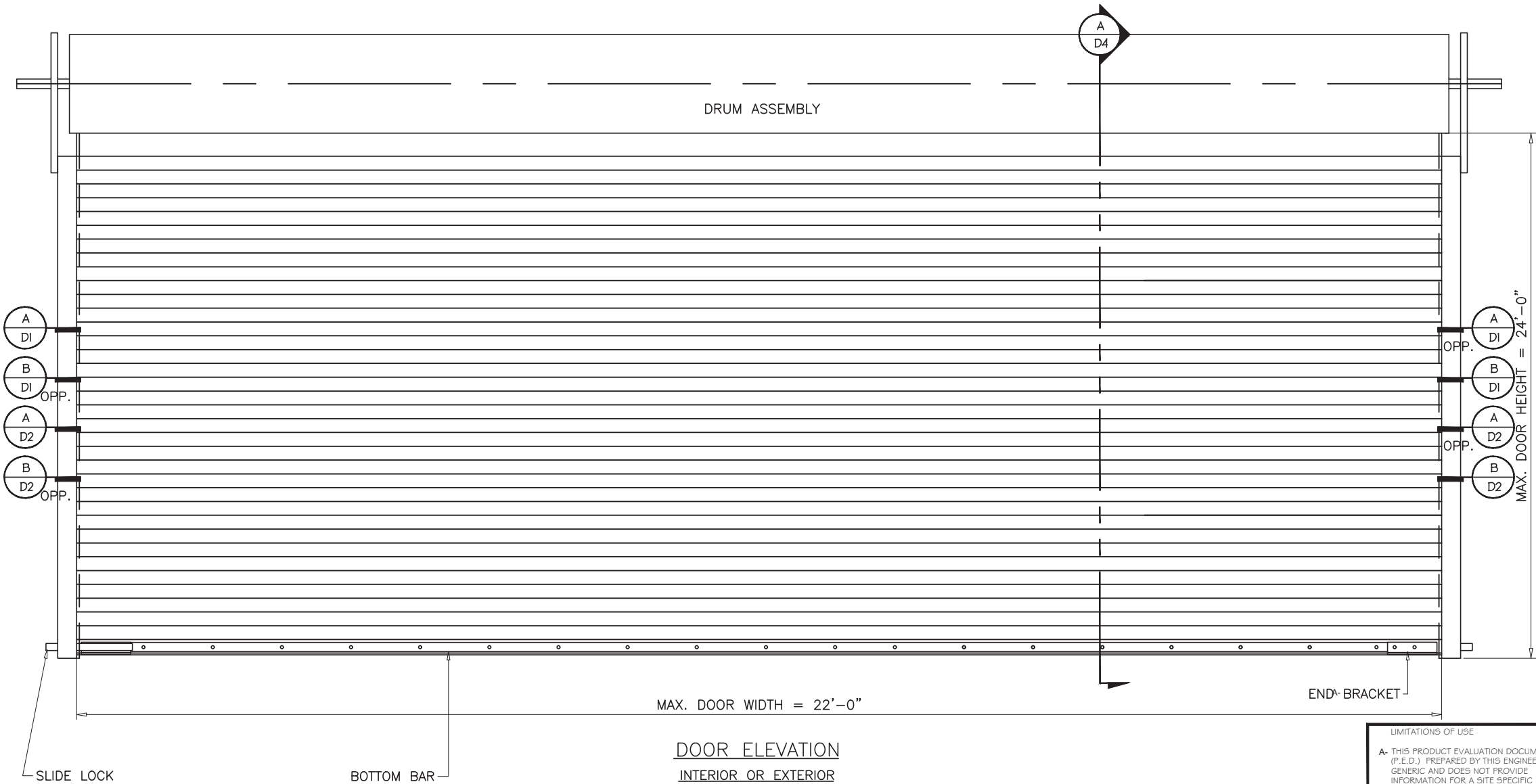
INSULATED SLAT COVER
24 GA. COLD FORMED STEEL



WIND LOCK 'A'
HOT ROLLED STEEL ANGLE



WIND LOCK 'B'
14 GA. COLD FORMED GALV. STEEL



DOOR ELEVATION
INTERIOR OR EXTERIOR

GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020)/8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
3. GUIDE AND WALL ANGLES SHALL CONFORM TO ASTM A-36.
4. ALL BOLTS, NUTS AND WASHERS SHALL BE ZINC PLATED CARBON STEEL.
5. ANCHORING OR LOADING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
6. SLIDE BOLT (1/4" THICK LATCH) IS INSTALLED AT EACH END BOTTOM, AND SHALL BE ENGAGED DURING HURRICANE WINDS.
7. ALL WELDING TO CONFORM TO AWS LATEST REGULATIONS AND F.B.C. USE E70XX ELECTRODES AND 3/16" FILLET SIZE.
8. MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

MAXIMUM DESIGN LOAD RATING = + 60.0 PSF
(FOR SIZES SHOWN OR SMALLER) - 60.0 PSF

THIS PRODUCT IS RATED FOR LARGE MISSILE IMPACT

LIMITATIONS OF USE

A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

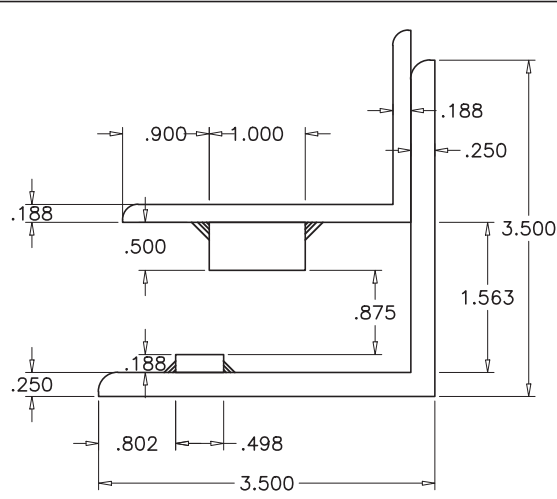
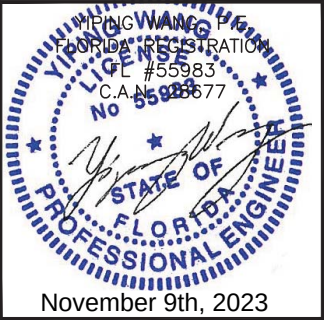
B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

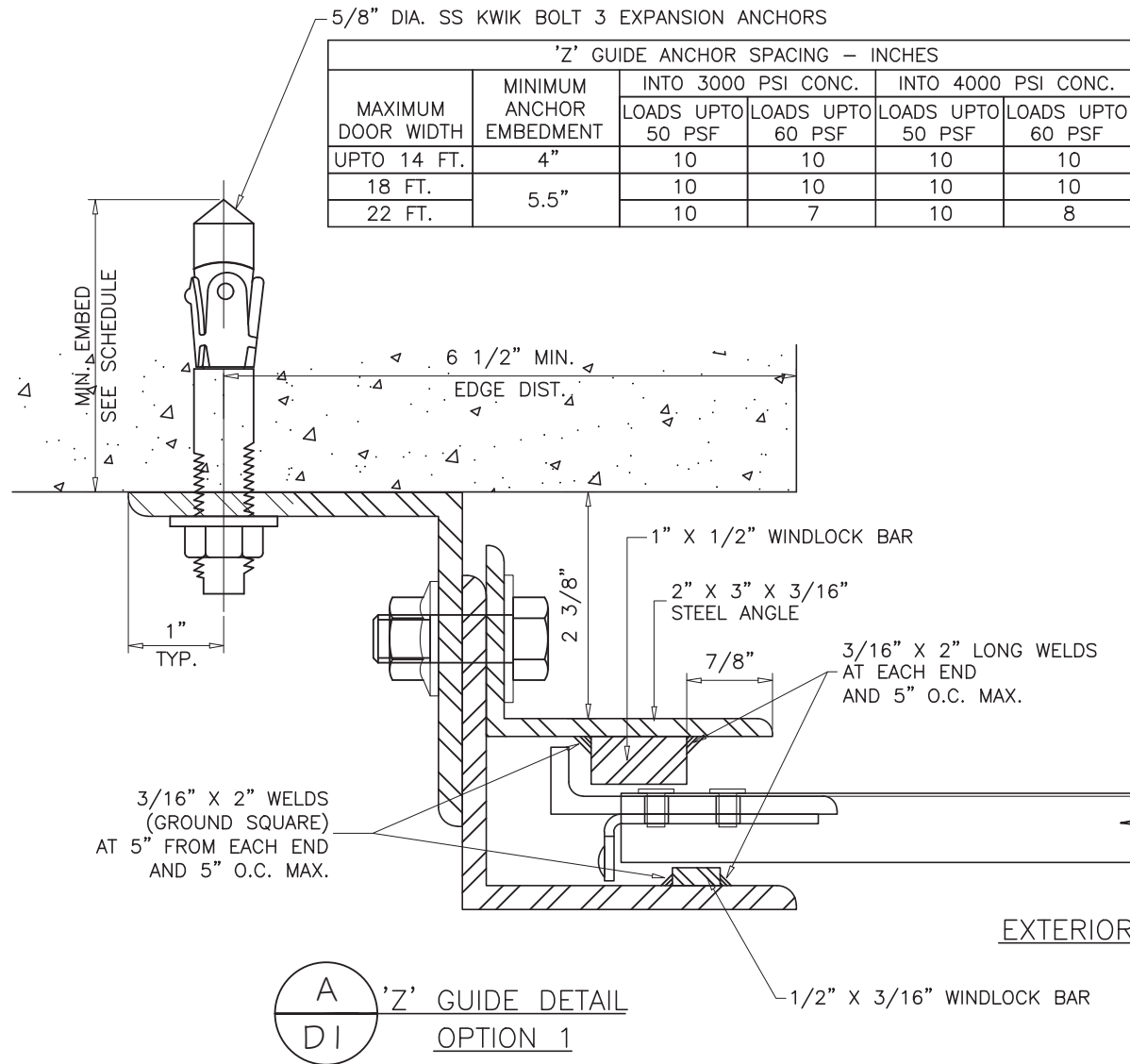
E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:
FL #30919.1

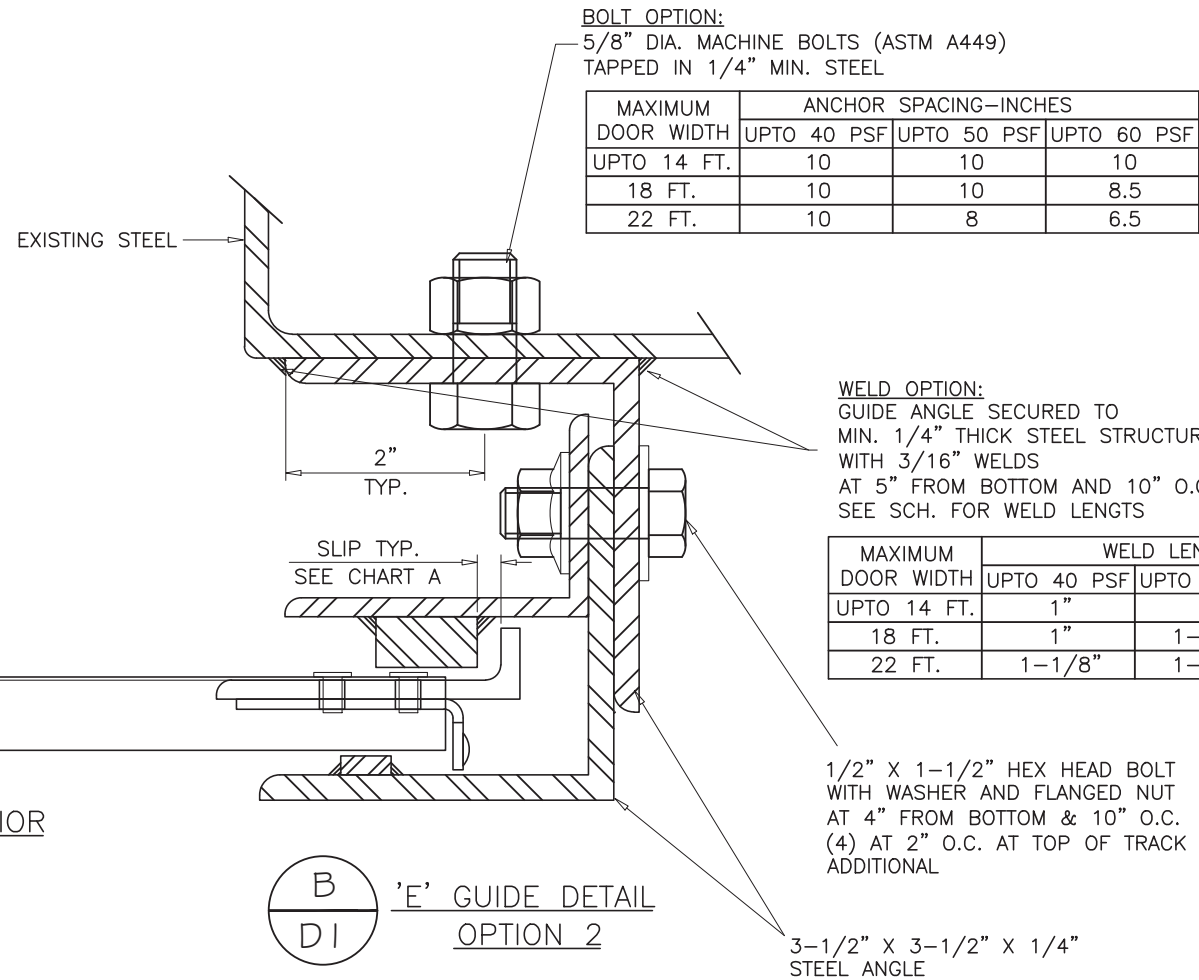


STEEL TRACK

				UPDATE TO 2023 FBC	Description
			James	Drawn By	
			11.09.2023	Date	
		R2	Rev. No.		
Drawn Date	11.09.2023	Scale	AS SHOWN		
DRAWING NO.	AD18-10				
Sheet No.	E1				
	November 9th, 2023				
	01 OF 04				



'Z' GUIDE ANCHOR SPACING - INCHES					
MAXIMUM DOOR WIDTH	MINIMUM ANCHOR EMBEDMENT	INTO 3000 PSI CONC.		INTO 4000 PSI CONC.	
		LOADS UPTO 50 PSF	LOADS UPTO 60 PSF	LOADS UPTO 50 PSF	LOADS UPTO 60 PSF
UPTO 14 FT.	4"	10	10	10	10
18 FT.	5.5"	10	10	10	10
22 FT.		10	7	10	8



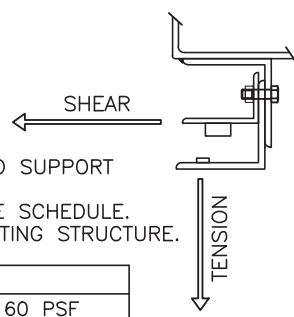
MAXIMUM DOOR WIDTH	ANCHOR SPACING-INCHES		
	UPTO 40 PSF	UPTO 50 PSF	UPTO 60 PSF
UPTO 14 FT.	10	10	10
18 FT.	10	10	8.5
22 FT.	10	8	6.5

MAXIMUM DOOR WIDTH	WELD LENGTHS		
	UPTO 40 PSF	UPTO 50 PSF	UPTO 60 PSF
UPTO 14 FT.	1"	1"	1"
18 FT.	1"	1-1/8"	1-1/4"
22 FT.	1-1/8"	1-1/4"	1-3/8"

CHART 'A'	
MAXIMUM DOOR WIDTH	SLIP INCHES
UPTO 14 FT.	1/2
18 FT.	5/8
22 FT.	3/4

SUPPORTING STRUCTURE MUST BE DESIGNED TO SUPPORT SHEAR & TENSION FORCES AT EACH JAMB. FOR DESIGN VALUES OF SHEAR & TENSION SEE SCHEDULE. ARCH./ENGR. TO VERIFY ADEQUACY OF SUPPORTING STRUCTURE.

FORCES ON GUIDE/FT.						
MAXIMUM DOOR WIDTH	40 PSF		50 PSF		60 PSF	
	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
UPTO 14 FT.	293	1018	367	1363	440	1702
18 FT.	373	1565	467	1995	560	2418
22 FT.	453	2024	567	2538	680	3043



GUIDE DETAILS CAN BE USED IN ANY COMBINATIONS.

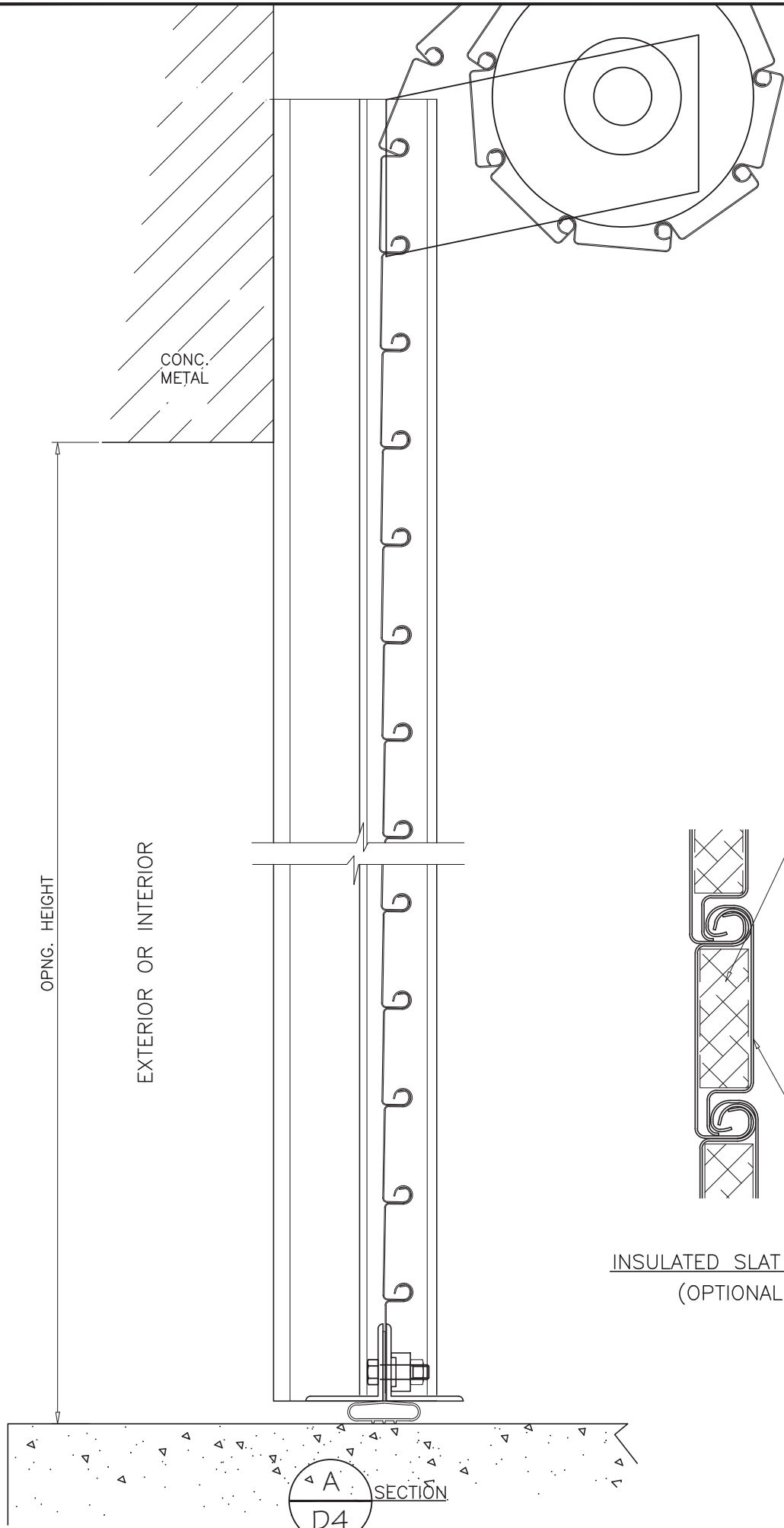
FLORIDA APPROVAL:
FL #30919.1

Professional Engineer Seal for YING WANG, State of Florida, License No. 55983, C.A. #55983. The seal is circular with the text 'FLORIDA PROFESSIONAL ENGINEER' around the perimeter and the name 'YING WANG' in the center. The date 'November 9th, 2023' is stamped at the bottom.

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 12781 MIRAMAR PARKWAY #301
 MIRAMAR, FL 33027 P: 305.271.0117
 www.MCYEngineering.com MCY@mcyengineering.com

22 GARAGE ROLLING STEEL DOOR - L.M.I.
 SOUTH FLORIDA ROLLING DOORS
 3590 NW 34TH STREET, MIAMI, FL 33142
 TEL: (305)-556-6633

Drawn Date 11.09.2023	Scale AS SHOWN	Rev. No. R2	Date 11.09.2023	Drawn By James	Description UPDATE TO 2023 FBC
DRAWING NO. AD18-10					
Sheet No. 02 OF 04					

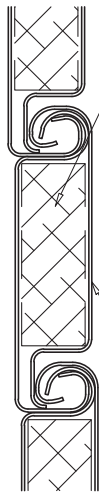


CONC.
METAL

EXTERIOR OR INTERIOR

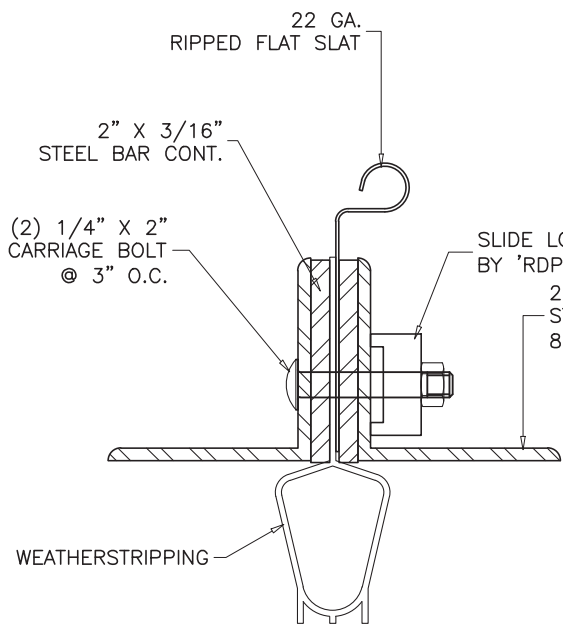
OPNG. HEIGHT

OPTIONAL INSULATIONS:
BY 'DYPLAST PRODUCTS LLC'
EPS-EXPANDED POLYSTYRENE
DENSITY = 1.05 PCF
N.O.A. #11-0926.07
OR
ISO-25 POLY-ISOCYANURATE
DENSITY = 2.0 PCF
N.O.A. #11-0926.06
OR
BY 'CELLOFOAM NORTH AMERICA'
DENSITY = 1.03 PCF
N.O.A. #10-1129.04
OR
BY 'INSULFOAM LLC'
DENSITY = 0.92 PCF
N.O.A. #12-0628.10

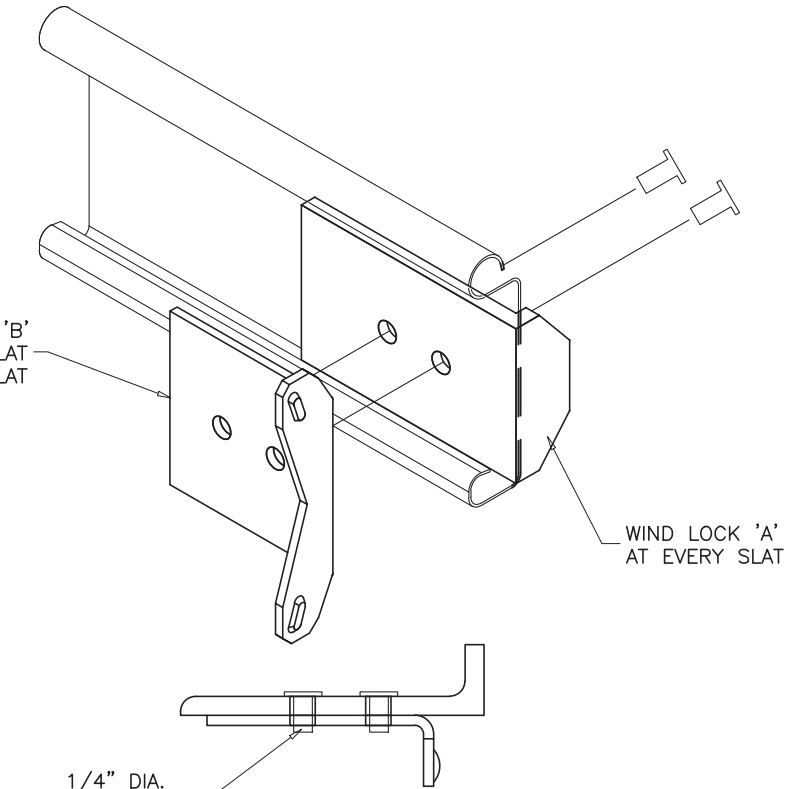


SLAT COVER

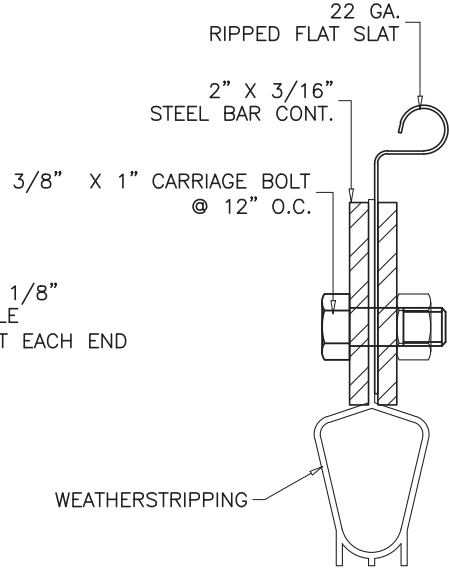
INSULATED SLAT DETAIL
(OPTIONAL)



END BRACKET DETAIL



WIND LOCK DETAIL



BOTTOM BAR DETAIL

A
D4
SECTION

FLORIDA APPROVAL:
FL #30919.1



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Rev. No.	Date	Drawn By	Description
R2	11.09.2023	James	UPDATE TO 2023 FBC
DRAWING NO. AD18-10			
Sheet No. 04 OF 04			